

AMENDMENTS TO THE CLAIMS

1. (Currently amended): A method in a computer data processing system for redirecting a data stream that is destined for a default port, the method comprising:
directing, by an application, said data stream to said default port, said data stream intended by said application to be sent from said default port;
responsive to detecting a request from a terminal, sending a signal from a processor to a hardware switch to redirect the data stream from being sent through said default port to a second port ~~a first port to a processor~~;
packetizing the data stream for transmission over ~~[[a]]~~ said second port to form a packetized data stream; and
sending, from said second port instead of said default port, the packetized data stream to a destination, said data stream being redirected from said default port to said second port without modifying said application ~~over the second port~~.
2. (Currently amended): The method of claim 1, wherein the default ~~[[first]]~~ port is a RS-232 standard port.
3. (Original): The method of claim 1, wherein the data stream is a RS-232 standard data stream.
4. (Original): The method of claim 1, wherein the packets are formed for transfer using a TCP/IP protocol.
5. (Original): The method of claim 1, wherein the second port provides a connection to a local area network.
6. (Currently amended): The method of claim 1, wherein the data stream is an outgoing data stream further comprising:
receiving an incoming data stream, wherein the incoming data stream is packetized; and

unpacketizing the incoming data stream to form an unpacketized incoming data stream; and

sending the unpacketized incoming data stream to an input/output unit associated with the default ~~[[first]]~~ port.

7. (Currently amended): A method in a computer data processing system for redirecting a data stream that is destined for normally sent to a default port, the method comprising:

directing, by an application, said data stream to said default port, said data stream intended by said application to be sent from said default port;

receiving, from a request to send the data stream to a terminal communicating with the computer data processing system, a request to redirect the data stream to ~~[[using]]~~ a desired port instead of said default port;

sending, from a service processor, a signal to a hardware switch to redirect the data stream, said hardware switch coupled between said default port and an I/O processor included within said computer system, said I/O processor for controlling said default port to a service processor;

packetizing the data stream to form a set of data packets; and

sending, from said desired port instead of said default port, the set of data packets to the terminal, said data stream being redirected from said default port to said desired port without modifying said application using the desired port.

8. (Currently amended): The method of claim 7, wherein the set of data packets is a first set of data packets and further comprising:

receiving a second set of data packets from ~~[[form]]~~ the terminal; and

unpacketizing the second set of data packets to form ~~[[from]]~~ an unpacketized data stream; and

sending the unpacketized data stream to the hardware switch.

9. (Original): The method of claim 7, wherein the desired port provides a connection to a local area network.

10. (Original): The method of claim 7, wherein the terminal is a hardware system console.

11. (Currently amended): A computer data processing system comprising:
a bus system;
a first communications port ~~[[unit]]~~ connected to the bus system;
a second communications port ~~[[unit]]~~ connected to the bus system;
a switch coupled between an I/O processor and said first communications port
~~having a connection to the first communications unit~~, wherein the switch redirects, in
response to a signal, a data stream intended for an output from ~~[[in]]~~ the first
communications unit to said second communications port ~~an alternate destination in~~
~~response to a signal~~;
a memory connected to the bus system, wherein the memory includes a set of
instructions; and
a processing unit connected to the bus system, wherein the processing unit
executes the set of instructions to direct, by an application, said data stream to said first
communications port, said data stream intended by said application to be sent from said
first communications port; send a signal, from the processor to the switch, to redirect the
data stream from the output of the first communications port ~~[[unit]]~~ ~~to the processor~~ in
response to detecting a request from a terminal; packetize the data stream to form a
packetized data stream; and send, from said second communications port instead of said
first communications port, the packetized data stream to a destination, said data stream
being redirected from said first communications port to said second communications port
without modifying said application ~~through the second communications unit~~.

12. (Currently amended): The computer data processing system of claim 11, wherein
the bus system is a single bus.

13. (Currently amended): The computer data processing system of claim 11, wherein
the bus system includes a primary bus and a secondary bus.

14. (Currently amended): The computer data processing system of claim 11, wherein the processing unit includes a plurality of processors.

15. (Currently amended): The computer data processing system of claim 11, wherein the second communications port ~~[[unit]]~~ is one of a modem and Ethernet adapter.

16. (Currently amended): The computer data processing system of claim 11, wherein the first communications port ~~[[unit]]~~ is a RS-232 port.

17. (Currently amended): A computer data processing system for redirecting a data stream that is destined for a default port, the computer data processing system comprising:

an application directing said data stream to said default port, said data stream intended by said application to be sent from said default port;

first sending means, responsive to detecting a request from a terminal, for sending a signal from a processor to a hardware switch to redirect the data stream from said default port to a second port ~~being sent through a first port to a processor;~~

packetizing means for packetizing the data stream for transmission over said ~~[[a]]~~ second port to form a packetized data stream; and

second sending means for sending, from said second port instead of said default port, the packetized data stream to a destination, said data stream being redirected from said default port to said second port without modifying said application ~~over the second port.~~

18. (Currently amended): The computer data processing system of claim 17, wherein the default ~~[[first]]~~ port is a RS-232 standard port.

19. (Currently amended): The computer data processing system of claim 17, wherein the data stream is a RS-232 standard data stream.

20. (Currently amended): The computer data-processing system of claim 17, wherein the packets are formed for transfer using a TCP/IP protocol.

21. (Currently amended): The computer data-processing system of claim 17, wherein the second port provides a connection to a local area network.

22. (Currently amended): The computer data-processing system of claim 17, wherein the data stream is an outgoing data stream further comprising:

receiving means for receiving an incoming data stream, wherein the incoming data stream is packetized; and

unpacketizing means for unpacketizing the incoming data stream to form an unpacketized incoming data stream; and

third sending means for sending the unpacketized incoming data stream to an input/output unit associated with the default [[first]] port.

23. (Currently amended): A computer data-processing system for redirecting a data stream that is destined for normally sent to a default port, the computer data-processing system comprising:

an application for directing said data stream to said default port, said data stream intended by said application to be sent from said default port;

receiving means for receiving, from a request to send the data stream to a terminal communicating with the computer data-processing system, a request to redirect said data stream to [[using]] a desired port instead of said default port;

first sending means for sending, from a service processor, a signal to a hardware switch to redirect the data stream, said hardware switch coupled between said default port and an I/O processor included within said computer system, said I/O processor for controlling said default port to a service processor;

packetizing means for packetizing the data stream to form a set of data packets;
and

second sending means for sending, from said desired port instead of said default port, the set of data packets to the terminal, said data stream being redirected from said default port to said desired port without modifying said application using the desired port.

24. (Currently amended): The computer data processing system of claim 23, wherein the set of data packets is a first set of data packets, the receiving means is a first receiving means, and further comprising:

second receiving means for receiving a second set of data packets from the terminal; and

unpacketizing means for unpacketizing the second set of data packets to form an unpacketized data stream; and

third sending means for sending the unpacketized data stream to the hardware switch.

25. (Currently amended): The computer data processing system of claim 23, wherein the desired port provides a connection to a local area network.

26. (Currently amended): The computer data processing system of claim 23, wherein the terminal is a hardware system console.

27. (Currently amended): A computer program product in a computer readable medium for redirecting a data stream that is destined for a default port, the computer program product comprising:

instructions for directing, by an application, said data stream to said default port, said data stream intended by said application to be sent from said default port;

first instructions, responsive to detecting a request from a terminal, for sending a signal from a processor to a hardware switch to redirect the data stream from said default port to a second port being sent through a first port to a processor;

second instructions for packetizing the data stream for transmission over said [[a]] second port to form a packetized data stream; and

third instructions for sending, from said second port instead of said default port,
the packetized data stream to a destination, said data stream being redirected from said
default port to said second port without modifying said application ~~over the second port.~~

28. (Currently amended): The computer program product of claim 27, wherein the
default [[first]] port is a RS-232 standard port.

29. (Original): The computer program product of claim 27, wherein the data stream
is a RS-232 standard data stream.

30. (Original): The computer program product of claim 27, wherein the packets are
formed for transfer using a TCP/IP protocol.

31. (Original): The computer program product of claim 27, wherein the second port
provides a connection to a local area network.

32. (Currently amended): The computer program product of claim 27, wherein the
data stream is an outgoing data stream further comprising:

fourth instructions for receiving an incoming data stream, wherein the incoming
data stream is packetized; [[and]]

fifth instructions for unpacketizing the incoming data stream to form an
unpacketized incoming data stream; and

sixth instructions for sending the unpacketized incoming data stream to an
input/output unit associated with the default [[first]] port.

33. (Currently amended): A computer program product in a computer readable
medium for redirecting a data stream that is destined for ~~normally sent to a default port,~~
the computer program product comprising:

instructions for directing, by an application, said data stream to said default port,
said data stream intended by said application to be sent from said default port;

first instructions for receiving, from a request to send the data stream to a terminal communicating with a computer the data processing system, a request to redirect said data stream to [[using]] a desired port instead of said default port;

second instructions for sending, from a service processor, a signal to a hardware switch to redirect the data stream, said hardware switch being coupled between said default port and an I/O processor included within said computer system, said I/O processor for controlling said default port to a service processor;

third instructions for packetizing the data stream to form a set of data packets; and

fourth instructions for sending, from said desired port instead of said default port, the set of data packets to the terminal, said data stream being redirected from said default port to said desired port without modifying said application using the desired port.

34. (Original): The computer program product of claim 33, wherein the set of data packets is a first set of data packets and further comprising:

fifth instructions for receiving a second set of data packets from the terminal; and

sixth instructions for unpacketizing the second set of data packets to form an unpacketized data stream; and

seventh instructions for sending the unpacketized data stream to the hardware switch.

35. (Original): The computer program product of claim 33, wherein the desired port provides a connection to a local area network.

36. (Original): The computer program product of claim 33, wherein the terminal is a hardware system console.